

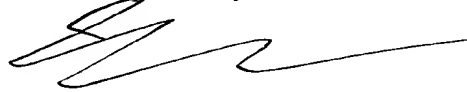
REMARKS

Claims 1-20 are pending. By this Supplemental Preliminary Amendment, claims 1-20 are amended. The specification and Abstract are replaced with a Substitute Specification and Substitute Abstract. No new matter has been added.

The attached Appendix includes marked-up copies of the specification (37 C.F.R. §1.125(b)(2)) and each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Prompt and favorable examination on the merits is respectfully requested.

Respectfully submitted,



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Attachments:

Substitute Abstract
Appendix
Substitute Specification
Marked-up copy of specification

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APPENDIX

Changes to Abstract:

The following is a marked-up version of the amended Abstract.

ABSTRACT OF THE DISCLOSURE

~~{Object}~~ ~~To~~ The invention provides an organic electroluminescent element driving circuit to which a reverse-bias is applied, ~~with neither~~ which does not require a substantial increase in power consumption ~~nor an~~ increase in layout space ~~involved~~.

~~—— [Solving Means]~~ With switches ~~20-1~~ and ~~20-2~~ arranged, electroluminescent elements are set to be in a reverse-bias state. The pixels are reverse-biased on the basis of a group of predetermined pixels at a time, for example, the pixels are reverse-biased on a pixel-by-pixel basis or on a line-by-line basis, or all pixels are reverse-biased at a time. In this way, reverse bias can be applied without the need for an additional power source, and ~~with neither~~ without requiring a substantial increase in power consumption ~~nor an~~ increase in layout space ~~involved~~. The service life of the organic electroluminescent element can thus be prolonged.

Changes to Specification:

A Substitute Specification is attached in accordance with 37 C.F.R. 1.125(b)(2).

Changes to Claims:

The following are marked-up versions of the amended claims:

1. (Amended) A driving circuit for actively driving an organic electroluminescent display device in which a plurality of pixels, each containing an organic electroluminescent element, are arranged in a matrix, the driving circuit comprising:
——-a reverse-bias setting circuit which sets the organic electroluminescent elements to a reverse-bias state on an area-by-area basis.

2. (Amended) A driving circuit for actively driving an organic electroluminescent display device in which a plurality of pixels, each containing an organic electroluminescent element, are arranged in a matrix, the driving circuit comprising:-

_____ a reverse-bias setting circuit which sets organic electroluminescent elements contained in a predetermined area, from among the organic electroluminescent elements, to a reverse-bias state.

3. (Twice Amended) ~~A-The~~ driving circuit according to claim 1, ~~wherein~~ the reverse-bias setting circuit ~~comprises~~ including a switch which switches an electrical connection state of at least one of electrodes of each of the organic electroluminescent elements between being connected to a first power source line ~~for that~~ supplying a first potential and being connected to a second power source line ~~for that~~ supplying a second potential that is lower in level than the first potential.

4. (Twice Amended) ~~A-The~~ driving circuit according to claim 1, ~~wherein~~ the reverse-bias setting circuit ~~comprises~~ including a switch which switches an electrical connection state of a cathode of each of the organic electroluminescent elements between being connected to a first power source line ~~for that~~ supplying a first potential and being connected to a second power source line ~~for that~~ supplying a second potential that is lower in level than the first potential.

5. (Twice Amended) ~~A-The~~ driving circuit according to claim 3, ~~wherein~~ the switches ~~are-being~~ arranged with one switch for each pixel, so that the organic electroluminescent elements ~~are-being~~ set to be in a reverse-bias state on a pixel-by-pixel basis by controlling the switches.

6. (Twice Amended) ~~A-The~~ driving circuit according to claim 3, ~~wherein~~ the switches ~~are-being~~ arranged with one switch for each line of pixels, so that the organic electroluminescent elements are set to be in a reverse-bias state on a line-by-line basis by controlling the switches.

7. (Twice Amended) ~~A-The~~ driving circuit according to claim 3, ~~wherein~~ the switch ~~is-being~~ arranged with a single switch for all pixels, so that the organic

electroluminescent elements for all pixels are set to be in a reverse-bias state by controlling the switch.

8. (Twice Amended) ~~A The~~ driving circuit according to claim 3, ~~wherein the~~ switches ~~are being~~ arranged with one switch for each of particular pixels, so that only the organic electroluminescent elements for the particular pixels are set to be in a reverse-bias state by controlling the switches.

9. (Amended) A driving circuit for driving an electro-optical device in which a plurality of electro-optical elements are arranged in a matrix, the driving circuit comprising:
- _____ a reverse-bias setting circuit which sets at least one of the electro-optical elements to a reverse-bias state.

10. (Twice Amended) ~~A piece of Electronic~~ electronic equipment, comprising:
- _____ an active-matrix display device ~~mounted therein~~ that includes the driving circuit according to claim 1.

11. (Amended) An electro-optical device, comprising:
- _____ ~~a driving circuit for actively driving a display device in which~~ that includes a plurality of pixels, each of the plurality of pixels including an electro-optical element, ~~are arranged in a matrix;~~ and
_____ a driving circuit that drives the display device; the driving circuit ~~comprising~~ including a reverse-bias setting circuit which sets the electro-optical elements to a reverse-bias state on a predetermined area-by-area basis.

12. (Amended) An electro-optical device, comprising: ~~a driving circuit for actively driving~~
_____ a display device in which that includes a plurality of pixels, each of the plurality of pixels including an electro-optical element, ~~are arranged in a matrix;~~ and

a driving circuit that drives the display device, the driving circuit comprising
including a reverse-bias setting circuit which sets electro-optical elements contained in a predetermined area, from among the electro-optical elements, to a reverse-bias state.

13. (Twice Amended) ~~An~~ The electro-optical device according to claim 11, ~~wherein~~ the reverse-bias setting circuit ~~comprises~~ including a switch which switches an electrical connection state of at least one of electrodes of each of the electro-optical elements between being connected to a first power source line ~~for that~~ supplying a first ~~potential~~ potential and being connected to a second power source line ~~for that~~ supplying a second ~~potential~~ potential that is lower in level than the first ~~potential~~ potential.

14. (Twice Amended) ~~An~~ The electro-optical device according to claim 11, ~~wherein~~ the reverse-bias setting circuit ~~comprises~~ including a switch which switches an electrical connection state of a cathode of each of the electro-optical elements between being connected to a first power source line ~~for that~~ supplying a first ~~potential~~ potential and being connected to a second power source line ~~for that~~ supplying a second ~~potential~~ potential that is lower in level than the first ~~potential~~ potential.

15. (Twice Amended) ~~An~~ The electro-optical device according to claim 13, ~~wherein~~ the switches ~~are being~~ arranged with one switch for each pixel, so that the electro-optical elements are set to be in a reverse-bias state on a pixel-by-pixel basis by controlling the switches.

16. (Twice Amended) ~~An~~ The electro-optical device according to claim 13, ~~wherein~~ the switches ~~are being~~ arranged with one switch for each line of pixels, so that the electro-optical elements are set to be in a reverse-bias state on a line-by-line basis by controlling the switches.

17. (Twice Amended) ~~An~~ The electro-optical device according to claim 13, ~~wherein~~ the switch ~~is being~~ arranged with a single switch for all pixels, so that the ~~organic~~

~~electroluminescent~~electro-optical elements for all pixels are set to be in a reverse-bias state by controlling the switch.

18. (Twice Amended) ~~An~~The electro-optical device according claim 13, ~~wherein~~ the switches ~~are being~~ arranged with one switch for each of particular pixels, so that only the electro-optical elements for the particular pixels are set to be in a reverse-bias state by controlling the switches.

19. (Amended) An electro-optical device, comprising: ~~a driving circuit for driving~~
_____ a plurality of electro-optical elements ~~arranged in a matrix;~~ and
_____ a driving circuit that drives the plurality of electro-optical elements, ~~wherein~~ the driving circuit ~~comprises including~~ a reverse-bias setting circuit which sets at least one of the plurality of electro-optical elements to a reverse-bias state ~~on an area-by-area basis~~.

20. (Twice Amended) ~~An~~The electro-optical device according to claim 11, ~~wherein~~ the electro-optical element ~~is being~~ an organic electroluminescent element.